

Age Standardization: Dispelling the "younger" Hawaiian population myth

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So What Is All This About?

- Inspired by debate over Native Hawaiian programs in the media
- One hypothesis suggests that the lower median age of the Native Hawaiian population (in Hawai'i) accounts for its lower SES standing relative to other ethnic groups
- Why not test this hypothesis using Census data & demographic tools?



What Is Age Standardization?

- Age standardization is:
 - ... A simple methodology in which two or more populations are constrained to the same population age distribution
 - ...Commonly used in demographic and epidemiologic analyses
 - ... A tool that essentially removes the effects of "age" when comparing population-level statistics



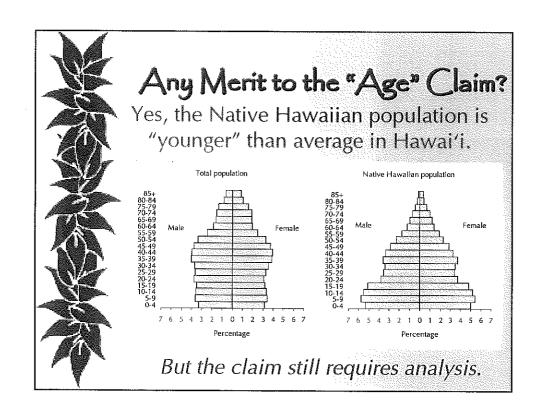
How |s |t Done?

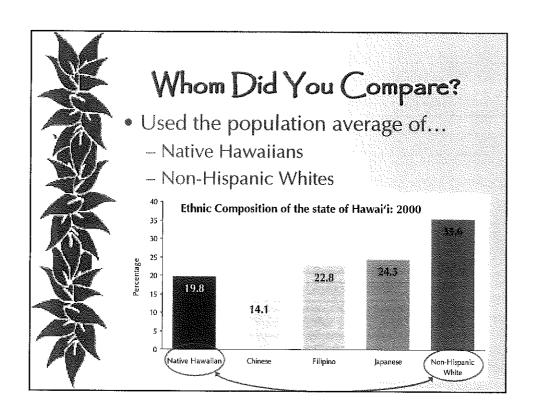
- Various methods exist:
 - Apply the distribution of a "third" (unrelated) population to your comparison groups (populations)
 - Calculate an average population distribution for your comparison groups
 - Apply a synthetic population
 distribution to your comparison groups
 (e.g., the SEGI World Population)

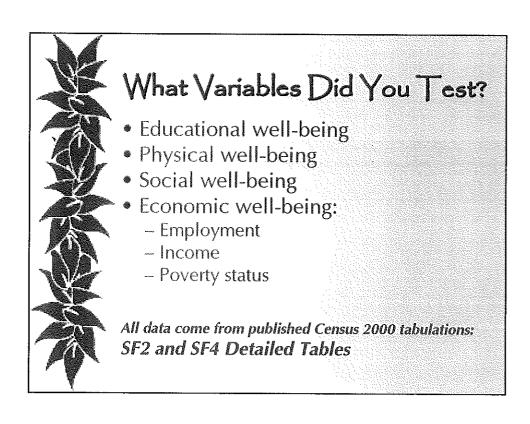


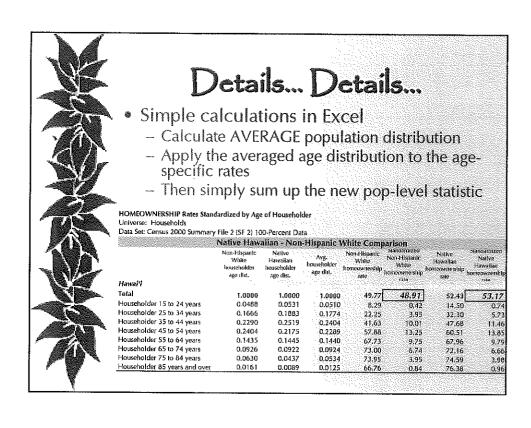
When Can You Do It?

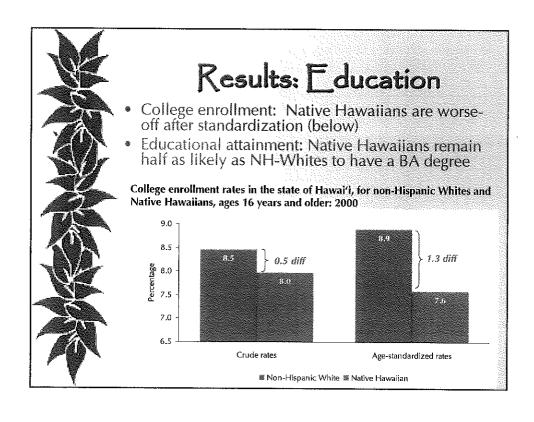
- Three Criteria: You must...
 - ... be comparing an aggregate-level variable (usually a rate or proportion) among two or more populations
 - ... use variables that take on different values across age groups
 - ... have a theoretical basis for minimizing the effect of age for these populations

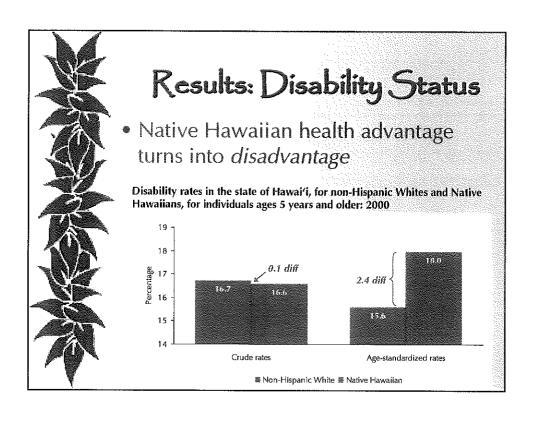


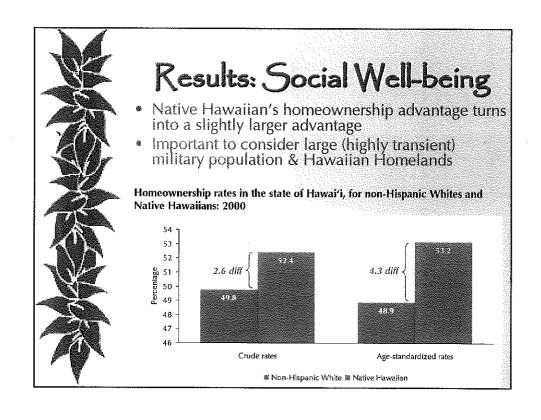


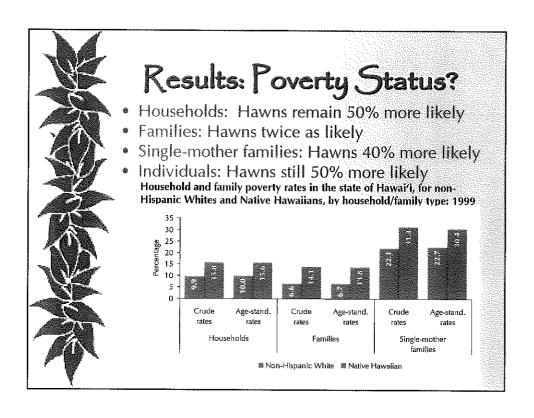














Hmmm...Conclusions?

- It would appear that the critics were partly correct: adjusting for Native Hawaiian age distribution does affect well-being statistics...
- HOWEVER... In all but one case (homeownership), Native Hawaiians remain at a significant disadvantage
 - ... and, in some cases, Native Hawaiian status worsens (disability status and college enrollment)



More Importantly...

SIMPLE TOOL

(Age standardization)

CENSUS DATA TABLES

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ANSWER TO A LOCAL "HOT BUTTON" ISSUE

